

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A remote control imaging system comprising:
an imaging platform capable of controllable motion about three orthogonal axes;
an imaging device supported by the imaging platform; and
a remote control having a video display for displaying the output of the imaging device, one or more imaging platform motion controls, at least one of iris, zoom, and focus controller for the imaging device, and a camera control handle interface.
2. (Original) The system of Claim 1 further comprising:
a camera system control for providing wireless interconnection between the imaging device and the remote control, the camera system control having multiple independent channels of operation for at least one of iris, zoom and focus controller, and proportional control outputs to the imaging device.
3. (Currently amended) The system of Claim 2 further comprising:
a camera interface for connecting ~~an~~ the imaging device and ~~a~~ the camera system control.
4. (Original) The system of Claim 1 further comprising:
a universal adapter for connecting the imaging platform to a variety of support devices.
5. (Original) The system of Claim 1 wherein the remote control further comprises:
a video receiver interface.
6. (Original) The system of Claim 5 wherein the video receiver interface further comprises:
an external video receiver interface.

7. (Original) The system of Claim 5 wherein the video receiver interface further comprises:

multiple video receivers, in parallel or series.

8. (Original) The system of Claim 5 wherein the video receiver interface further comprises:

an exchangeable video receiver.

9. (Original) The system of Claim 1 wherein the imaging platform motion control further comprises:

a joystick.

10. (Original) The system of Claim 1 wherein the imaging platform motion control further comprises:

a selectable response speed controller.

11. (Original) The system of Claim 1 wherein the at least one of iris, zoom, and focus controller further comprises:

a corresponding fine adjustment controller.

12. (Original) The system of Claim 1 wherein the remote control further comprises:

an independent power source.

13. (Original) The system of Claim 12 wherein the independent power source further comprises:

one or more batteries.

14. (Original) The system of Claim 1 wherein the video display further comprises:

a video monitor.

15. (Original) The system of Claim 1 wherein the video display further comprises:

a television tuner.

16. (Original) The system of Claim 1 wherein the remote control further comprises:

a programming display and control.

17. (Original) The system of Claim 1 wherein the remote control further comprises:

an on-board communication package allowing interaction between a remote control operator and other personnel.

18. (Original) The system of Claim 1 wherein the remote control further comprises:

a wireless connection to at least one of the imaging device or imaging platform.

19. (Currently amended) A remote control device comprising:

a video display for displaying the output of an imaging device;

one or more imaging platform motion controls;

at least one of iris, zoom, and focus controller for the imaging device; and

a camera control handle ~~interface~~.

20. (Original) The device of Claim 19 wherein the remote control further comprises:

a video receiver interface.

21. (Original) The device of Claim 20 wherein the video receiver interface further comprises:

an external video receiver interface.

22. (Original) The device of Claim 20 wherein the video receiver interface further comprises:

multiple video receivers, in parallel or series.

23. (Original) The device of Claim 20 wherein the video receiver interface further comprises:

an exchangeable video receiver.

24. (Original) The device of Claim 19 wherein the imaging platform motion control further comprises:

a joystick.

25. (Original) The device of Claim 19 wherein the imaging platform motion control further comprises:

a selectable response speed controller.

26. (Original) The device of Claim 19 wherein the at least one of iris, zoom, and focus controller further comprises:

a corresponding fine adjustment controller.

27. (Original) The device of Claim 19 wherein the remote control further comprises:

an independent power source.

28. (Original) The device of Claim 27 wherein the independent power source further comprises:

one or more batteries.

29. (Original) The device of Claim 19 wherein the video display further comprises:

a video monitor.

30. (Original) The device of Claim 19 wherein the video display further comprises:

a television tuner.

31. (Original) The device of Claim 19 wherein the remote control further comprises:

a programming display and control.

32. (Original) The device of Claim 19 wherein the remote control further comprises:

an on-board communication package allowing interaction between a remote control operator and other personnel.

33. (Original) The device of Claim 19 wherein the remote control further comprises:

a wireless connection to at least one of the imaging device or imaging platform.

34. (Currently amended) ~~In~~ A device for use in a conventional arrangement for remotely operating an imaging device and an imaging platform, including a plurality of operators and operating equipment, wherein the ~~improvement consists of~~ device comprises:

a remote control having a video display for displaying the output of the imaging device, one or more imaging platform motion controls, at least one of iris, zoom, and focus controller for the imaging device, and a camera control handle interface.

35. (Original) The device of Claim 34 wherein the remote control further comprises:

a video receiver interface.

36. (Original) The device of Claim 35 wherein the video receiver interface further comprises:

an external video receiver interface.

37. (Original) The device of Claim 35 wherein the video receiver interface further comprises:

multiple video receivers, in parallel or series.

38. (Original) The device of Claim 35 wherein the video receiver interface further comprises:

an exchangeable video receiver.

39. (Original) The device of Claim 34 wherein the imaging platform motion control further comprises:

a joystick.

40. (Original) The device of Claim 34 wherein the imaging platform motion control further comprises:

a selectable response speed controller.

41. (Original) The device of Claim 34 wherein the at least one of iris, zoom, and focus controller further comprises:

a corresponding fine adjustment controller.

42. (Original) The device of Claim 34 wherein the remote control further comprises:

an independent power source.

43. (Original) The device of Claim 42 wherein the independent power source further comprises:

one or more batteries.

44. (Original) The device of Claim 34 wherein the video display further comprises:

a video monitor.

45. (Original) The device of Claim 34 wherein the video display further comprises:

a television tuner.

46. (Original) The device of Claim 34 wherein the remote control further comprises:

a programming display and control.

47. (Original) The device of Claim 34 wherein the remote control further comprises:

an on-board communication package allowing interaction between a remote control operator and other personnel.

48. (Original) The device of Claim 34 wherein the remote control further comprises:

a wireless connection to at least one of the imaging device or imaging platform.